

SUBSTITUTE FORM PTO-1449  
(MODIFIED)U.S. DEPARTMENT OF COMMERCE  
PATENT AND TRADEMARK OFFICEATTY. DOCKET NO.  
10668/002001SERIAL NO.  
09/247,246INFORMATION DISCLOSURE  
STATEMENT BY APPLICANT  
(Use several sheets if necessary)

(37 CFR 1.98(b))

APPLICANT  
Paul A. DiTullio et al.FILING DATE  
February 9, 1999GROUP  
1649

## U.S. PATENT DOCUMENTS

EXAMINER INITIAL		PATENT NUMBER							ISSUE DATE	PATENTEE	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
	AA	4	8	7	3	1	9	1	10/1989	Wagner et al.	435	172.3	08/1986
	AB												
	AC												
	AD												
	AE												
	AF												
	AG												
	AH												
	AI												
	AJ												
	AK												

## FOREIGN PATENT OR PUBLISHED FOREIGN PATENT APPLICATION

		DOCUMENT NUMBER	PUBLICATION DATE	COUNTRY OR PATENT OFFICE	CLASS	SUBCLASS	TRANSLATION	
							YES	NO
	AL							
	AM							
	AN							
	AO							
	AP							

## OTHER DOCUMENTS (Including Author, Title, Date, Place of Publication)

RS	AQ	Brinster, R.L. et al., Proc. Natl. Acad. Sci. USA 82:4438-4442 (1985)
RS	AR	Synder, B.W., et al., Mol. Reproduction and Development 40:419-428 (1995)
RS	AS	Ebert, K.M. and J.P. Selgrath, in Applications in Mammalian Development, Cold Spring Harbor Laboratory Press, 1991

EXAMINER

DATE CONSIDERED

3/3/06

EXAMINER: Initial citation considered. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

SUBSTITUTE FORM PTO-1449 (MODIFIED)		U.S. DEPARTMENT OF COMMERCE PATENT AND TRADEMARK OFFICE		ATTY. DOCKET NO. 10668/002001		SERIAL NO. 09/247,246	
INFORMATION DISCLOSURE STATEMENT BY APPLICANT (Use several sheets if necessary)  (37 CFR 1.98(b))				APPLICANT Paul A. DiTullio et al.			
				FILING DATE February 9, 1999		GROUP 1649	

## U.S. PATENT DOCUMENTS

EXAMINER INITIAL		PATENT NUMBER	ISSUE DATE	PATENTEE	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
	BA						
	BB						
	BC						
	BD						
	BE						
	BF						
	BG						
	BH						
	BI						
	BJ						
	BK						

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							YES	NO
	BL							
	BM							
	BN							
	BO							
	BP							

## OTHER DOCUMENTS (Including Author, Title, Date, Place of Publication)

<i>RS</i>	BQ	Ebert, K.M. et al., Animal Biotechnology 1:145-159 (1990)
<i>RS</i>	BR	Osman, N., et al., Proc. Natl. Acad. Sci USA 94:14677-14682 (1997)
	BS	
EXAMINER <i>[Signature]</i>		DATE CONSIDERED <i>3/30/06</i>

EXAMINER: Initial citation considered. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

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Date of Deposit: June 7, 2001

Modified Form 1449/PTO  <b>INFORMATION DISCLOSURE STATEMENT BY APPLICANT</b>  (use as many sheets as necessary)				Application Number		09/247,246	
				Filing Date		February 9, 1999	
				First Named Inventor		Paul DiTullio	
				Group Art Unit		1632	
				Examiner		R. Schnizer	
				Attorney Docket Number		21578-002	
<b>U.S. PATENT DOCUMENTS</b>							
Exam Initials	Cite No.	U.S. Patent Document No.	Issue Date	Name of Patentee(s) or Applicant(s)	Class	Sub Class	Filing Date If Appropriate
<b>FOREIGN PATENT DOCUMENTS</b>							
Exam Initials	Cite No.	Foreign Patent Document Office Number	Name of Patentee(s) or Applicant(s)	Date of Publication	Translation Yes No		
<b>OTHER NON PATENT LITERATURE DOCUMENTS</b>							
Exam Initials	Cite No.	Name of Author, Title (when appropriate), Publication, Volume, Page(s), Date, Etc.					
163	CA	Baccetti et al. (2000) "Conclusions", <i>Mol. Reprod. Dev.</i> , Vol. 56, pp. 329-330.					
	CB	Brinster et al. (1994) "Germline Transmission of Donor Haplotype Following Spermatogonial Transplantation", <i>Proc. Natl. Acad. Sci. U.S.A.</i> , Vol. 91, pp. 11303-11307.					
	CC	Brinster et al. (1994) "Spermatogenesis Following Male Germ-cell Transplantation", <i>Proc. Natl. Acad. Sci. U.S.A.</i> , Vol. 91, pp. 11298-11302.					
	CD	Cappello et al. (2000) "hDAF Expression in Hearts of Transgenic Pigs Obtained by Sperm-Mediated Gene Transfer", <i>Transpl. Proc.</i> , Vol. 32, pp. 895-896.					
	CE	Hagmann, M. (1999) "Fertility Therapy May Aid Gene Transfer", <i>Science</i> , Vol. 284, pp. 1098-1099.					
	CF	Lai et al. (1997) "Generation of Transgenic Mice Expressing Human Tissue-type Plasminogen Activator in Mammary Glands by Transfecting Spermatogonia <i>In Vivo</i> ", In Annual Anthology of University of Agriculture and Animal Science, PLA., Changchun, p. 58.					
	CG	Lavitano et al. (1999) "Human Decay Accelerating Factor Transgenic Pigs for Xenotransplantation Obtained by Sperm-Mediated Gene Transfer", <i>Transpl. Proc.</i> , Vol. 31, pp. 972-974.					
	CH	Maione et al. (1998) "Sperm-Mediated Gene Transfer in Mice", <i>Mol. Repr. And Dev.</i> , Vol. 50, pp. 406-409.					
	CI	Ogura et al. (1998) "Development of Normal Mice from Metaphase I Oocytes, Fertilized with Primary Spermatocytes", <i>Proc. Natl. Acad. Sci. U.S.A.</i> , Vol. 95, pp. 5611-5615.					
	CJ	Perry et al. (1999) "Mammalian Transgenesis by Intracytoplasmic Sperm Injection", <i>Science</i> , Vol. 284, pp. 1180-1183.					
163	CK	Songsasen et al. (1998) "Live Mice from Cryopreserved Embryos Derived <i>In Vitro</i> with Cryopreserved Ejaculated Spermatozoa", <i>Lab. Anim. Sci.</i> , Vol. 48, pp. 275-281.					

\* a copy of this reference is not provided as it was previously cited by or submitted to the office in a prior application, U.S.S.N. \_\_\_\_\_, filed \_\_\_\_\_, and relied upon for an earlier filing date under 35 U.S.C. §120 (continuation, continuation-in-part, and divisional applications).

Examiner Signature		Date Considered	3/30/06
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EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered.

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	<b>First Named Inventor</b>	Paul DiTullio
	<b>Group Art Unit</b>	1632
	<b>Examiner</b>	R. Schnizer
	<b>Attorney Docket Number</b>	21578-002

U.S. PATENT DOCUMENTS							
Exam Initials	Cite No.	U.S. Patent Document No.	Issue Date	Name of Patentee(s) or Applicant(s)	Class	Sub Class	Filing Date If Appropriate

FOREIGN PATENT DOCUMENTS					
Exam Initials	Cite No.	Foreign Patent Document Office Number	Name of Patentee(s) or Applicant(s)	Date of Publication	Translation Yes No

OTHER NON-PATENT LITERATURE DOCUMENTS		
Exam Initials	Cite No.	Name of Author, Title (when appropriate), Publication, Volume, Page(s), Date, Etc.
PS	AB	Yamazaki, Yukiko et al. (1998) "In Vivo Gene Transfer to Mouse Spermatogenic Cells by Deoxyribonucleic Acid Injection Into Seminiferous Tubules and Subsequent Electroporation" Biology of Reproduction, Vol. 59, pp.

\* a copy of this reference is not provided as it was previously cited by or submitted to the office in a prior application, U.S.S.N. \_\_\_\_\_, filed \_\_\_\_\_, and relied upon for an earlier filing date under 35 U.S.C. §120 (continuation, continuation-in-part, and divisional applications).

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